**Amendments to the Claims**:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A method for immobilizing nucleic acid on a solid phase-substrate by co-adsorption, comprising:

forming a composition ~~bringing the solid phase substrate into contact with a composition~~ comprising:

a total concentration of 0.1 to 2 μM of a nucleic acid as a probe, and

a compound or a salt thereof, the compound being represented by the following formula:

$$HS—L^1—L^2—R \qquad (I)$$

where:

$L^1$ is a single bond or ~~a $C_{1-15}$ alkylene~~ an alkylene group having 1 to 15 carbon atoms;

$L^2$ is selected from the group consisting of a single bond, a nucleic acid, a polyethylene glycol group, -CO-NH-, ~~or~~ and -NH-CO-;

R is selected from the group consisting of a hydroxyl group, an amino group, a ferrocenyl group, ~~or~~ and a carboxyl group; and

$L^1$ and $L^2$ are not both single bonds; ~~and~~

then bringing the solid phase substrate into contact with the composition; and

incubating the composition in contact with a surface of the solid phase ~~substrate.~~substrate,

wherein the composition comprises a nucleic acid and a compound represented by formula I at a ratio of 40/60 to 60/40.